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Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Attorney for Applicant

Date: 28 February 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/731,679
Applicant(s) : Feng Lin
Filed : 9 December 2003
Titled : SYSTEM AND METHOD OF OPERATION OF DLL (DUAL LOCKED LOOP) AND PLL (PHASE LOCKED LOOP) TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES
Art Unit : 2116
Examiner : Nitin C. Patel
Atty Docket No. : DB000861-002
Patent No. : 6,845,458 B2

Certificate
MAR 07 2005

of Correction

**REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO C.F.R. § 1.322.**

Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Attn: Decision and Certificate of Correction
Branch of the Patent Issue Division

Dear Sir:

Applicant respectfully requests that a Certificate of Correction be issued for U.S. Patent No. 6,845,458 issued on 18 January 2005.

Attached, in duplicate, is Form PTO/SB/44, with at least one copy being suitable for printing.

In the TITLE page, Item (54) please change the title from "SYSTEM AND METHOD OF OPERATION OF DLL AND PLL TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES"

and insert therefore - - SYSTEM AND METHOD OF OPERATION OF DLL (DUAL LOCKED LOOP) AND PLL (PHASE LOCKED LOOP) TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES - -.

0370372005 AWONDAF2 00000004 6845458

01 FC:1811 100.00-0P

03/03/2005 AWONDAF2 00000009 6845458

01 FC:1811 100.00 0P

00597050.DOC

MAR 17 2005

In the drawings:

It is requested that the Certificate of Correction include the enclosed five (5) sheets of formal drawings.

In the text, correct the following:

Column 1:

lines 1-5, delete "SYSTEM AND METHOD OF OPERATION OF DLL AND PLL TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES" and insert - - SYSTEM AND METHOD OF OPERATION OF DLL (DUAL LOCKED LOOP) AND PLL (PHASE LOCKED LOOP) TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES - -.

line 66, before "phase" insert - - or - - .

Column 2:

line 2, delete "rang" and insert therefore - - range - -.

line 47, after "device" insert - - ; - -.

Column 3, line 5, delete "if" and insert therefore - - in - -.

Column 4, line 17, delete "is".

In the claims, correct the following:

Column 7:

claim 1, line 14, delete "o" and insert therefore - - of - -.

claim 2, line 3, delete "intrinsic" and insert therefore - - intrinsic - -.

Column 8:

claim 17, line 2, delete "as" and insert therefore - - has - -.

claim 19, line 8, after "circuit" insert - - path - -.

claim 19, line 8, delete "the" first occurrence.

claim 19, line 13, delete "in".

claim 21, line 10, delete "track" and insert - - tracks - -.

claim 21, line 18, delete "o" and insert - - of - -.

Column 9, claim 28, line 3, delete "de ay" and insert therefore - - delay - -.

Column 10, claim 39, line 12, after "circuit" insert - - path - -.

Column 11:

claim 42, line 5, delete "trinsic" and insert therefore - - intrinsic - -.

claim 43, line 8, delete "an" and insert therefore - - and - -.

claim 44, line 7, delete "associate" and insert therefore - - associated - -.

claim 46, line 11, delete "an" and insert therefore - - and - -.

Column 12:

claim 47, line 9, delete "an" and insert therefore - - and - -.

claim 49, line 12, delete "an" and insert therefore - - and - -.

Please send the Certificate to:

Edward L. Pencoske, Esquire
Thorp Reed & Armstrong, LLP
One Oxford Centre
300 Grant Street, 14th Floor
Pittsburgh, PA 15219

A check in the amount of \$100 is enclosed herewith. The Commissioner is hereby authorized to charge any underpayments or credit any overpayments to our Deposit Account No. 20-0888. A duplicate copy of this request is enclosed.

A return postcard is also enclosed. Please date stamp and mail the postcard to acknowledge receipt of this correspondence.

Respectfully submitted,



Edward L. Pencoske
Reg. No. 29,688
Thorp Reed & Armstrong, LLP
One Oxford Centre, 14th Floor
Pittsburgh, PA 15219-1425
(412) 394-7789

Dated: 28 February 2005

Attorneys for Applicant

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28 February 2005

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Appl. No. : 10/731,679
Applicant(s) : Feng Lin
Filed : 9 December 2003
Titled : SYSTEM AND METHOD OF OPERATION OF DLL (DUAL LOCKED LOOP) AND PLL (PHASE LOCKED LOOP) TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES
Art Unit : 2116
Examiner : Nitin C. Patel
Atty Docket No. : DB000861-002
Patent No. : 6,845,458 B2

TRANSMITTAL LETTER

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Branch of the Patent Issue Division

Dear Sir:

Enclosed for filing please find the following:

- Form PTO/SB/44 (3 pages) (in duplicate);
- Request for Certificate of Correction Pursuant to 37 C.F.R. § 1.322
- Five (5) sheets of formal drawings;
- PTO/SB/17; and
- a check in the amount of \$100 as the requisite fee.

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Reg. No. 29,688

THORP, REED & ARMSTRONG

One Oxford Centre, 14th Floor

301 Grant Street

Pittsburgh, Pennsylvania 15219-1425

(412) 394-7789

Attorneys for Applicant

Dated: 28 February 2005

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,845,458 B2
DATED : Jan. 18, 2005
INVENTOR(S) : Feng Lin

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the TITLE page, Item (54) please change the title from "SYSTEM AND METHOD OF OPERATION OF DLL AND PLL TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES"

and insert therefore - - SYSTEM AND METHOD OF OPERATION OF DLL (DUAL LOCKED LOOP) AND PLL (PHASE LOCKED LOOP) TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES - -.

In the drawings:

It is requested that the Certificate of Correction include the enclosed five (5) sheets of formal drawings.

In the text, correct the following:

Column 1:

lines 1-5, delete "SYSTEM AND METHOD OF OPERATION OF DLL AND PLL TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES" and insert - - SYSTEM AND METHOD OF OPERATION OF DLL (DUAL LOCKED LOOP) AND PLL (PHASE LOCKED LOOP) TO PROVIDE TIGHT LOCKING WITH LARGE RANGE, AND DYNAMIC TRACKING OF PVT VARIATIONS USING INTERLEAVED DELAY LINES - -.

line 66, before "phase" insert - - or - - .

MAILING ADDRESS OF SENDER:

Edward L. Pencoske, Esq., Thorp Reed & Armstrong, LLP,
One Oxford Centre, 14th Flr., 301 Grant Street, Pittsburgh, PA 15219-1425

PATENT NO. 6,845,458 B2

No. of additional copies

⇒ 1 of 3

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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INVENTOR(S) : Feng Lin

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Column 2:

line 2, delete "rang" and insert therefore -- range --
line 47, after "device" insert -- ; --

Column 3, line 5, delete "if" and insert therefore -- in --

Column 4, line 17, delete "is".

In the claims, correct the following:

Column 7:

claim 1, line 14, delete "o" and insert therefore -- of --
claim 2, line 3, delete "intrinic" and insert therefore -- intrinsic --

Column 8:

claim 17, line 2, delete "as" and insert therefore -- has --
claim 19, line 8, after "circuit" insert -- path --
claim 19, line 8, delete "the" first occurrence.
claim 19, line 13, delete "in".
claim 21, line 10, delete "track" and insert -- tracks --
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Column 9, claim 28, line 3, delete "de ay" and insert therefore -- delay --

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claim 42, line 5, delete "trinsic" and insert therefore -- intrinsic --.
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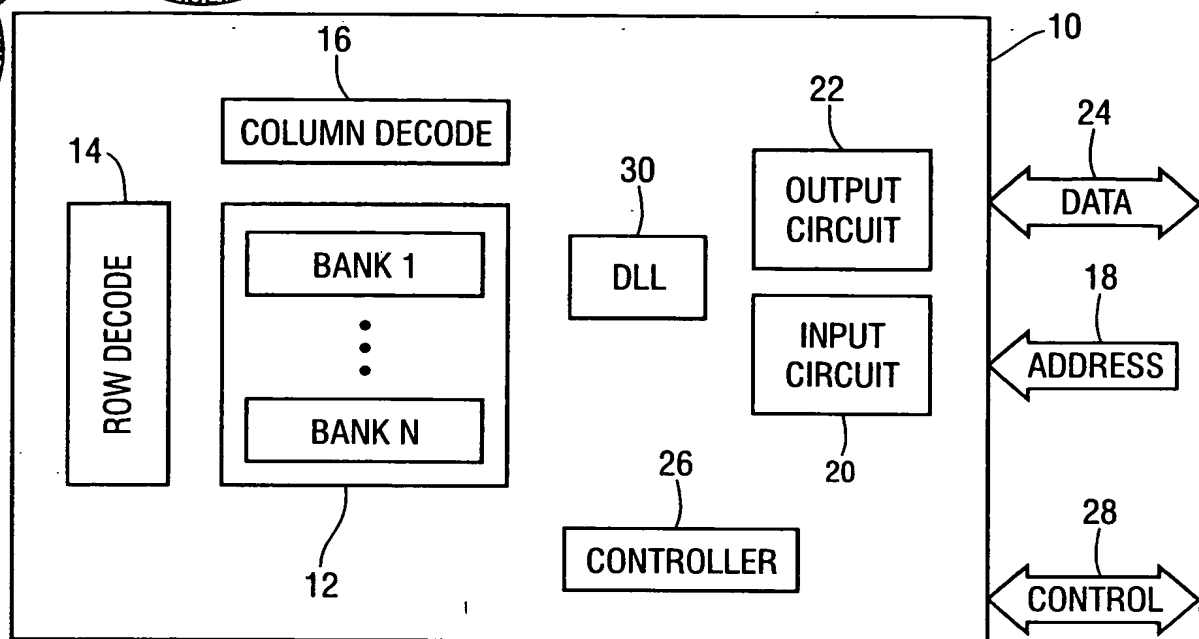
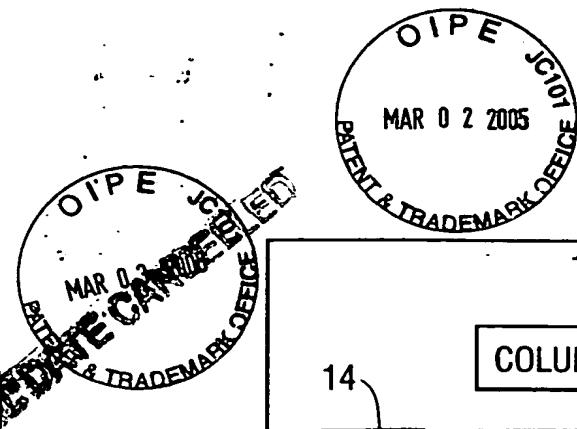


Fig.1

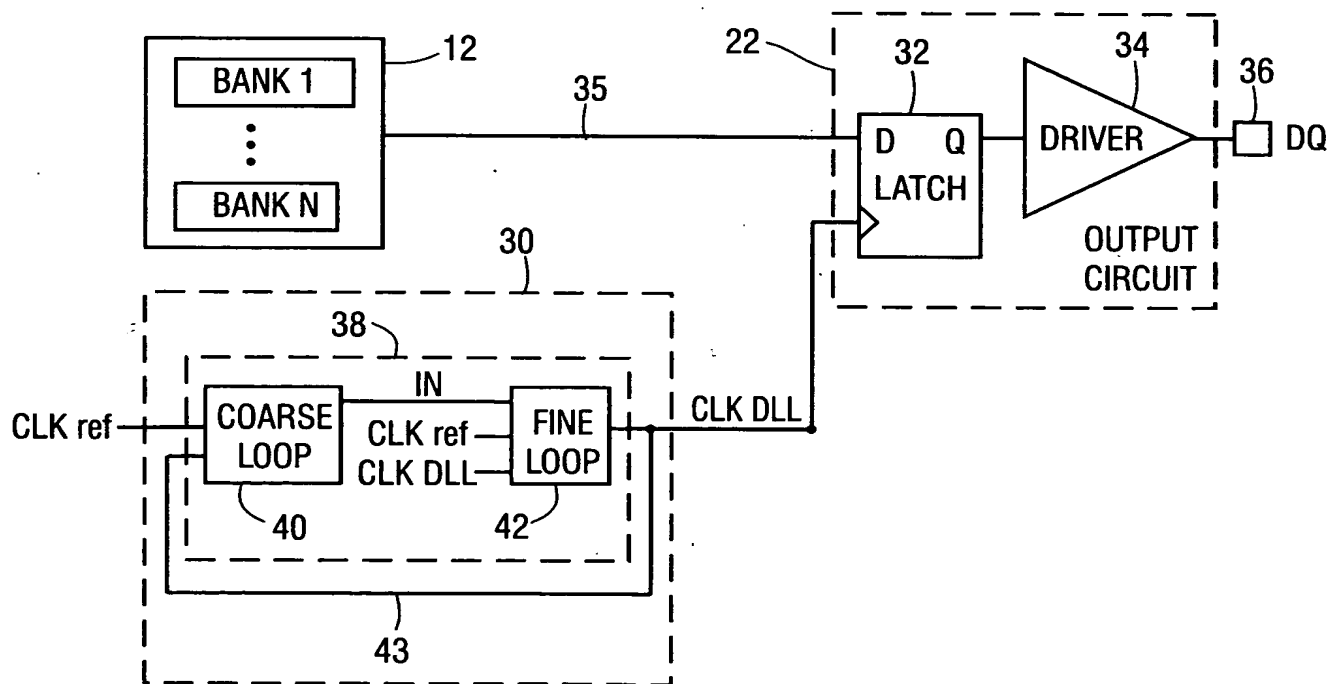
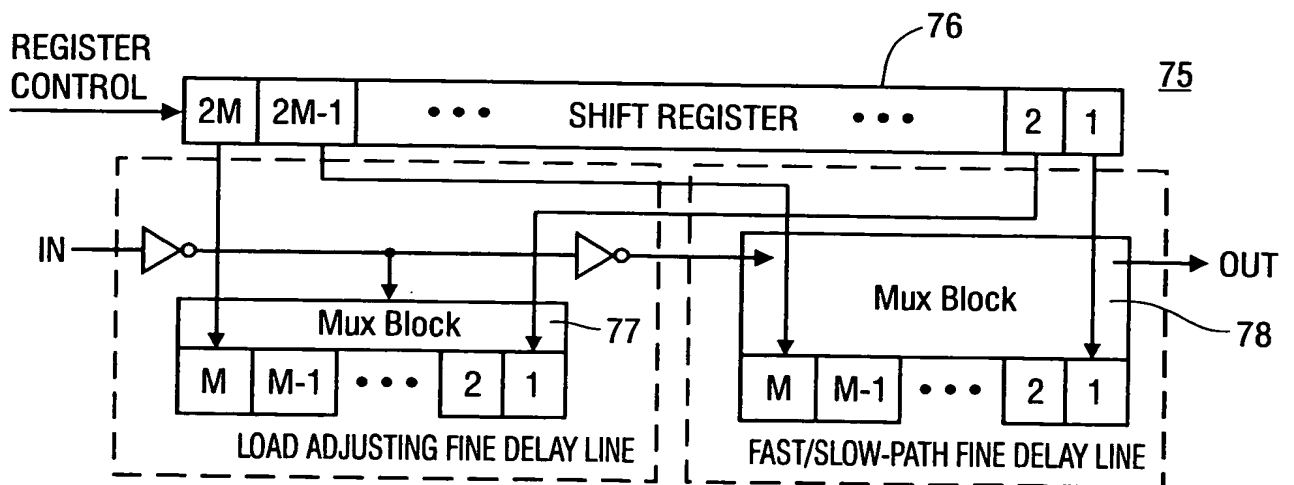
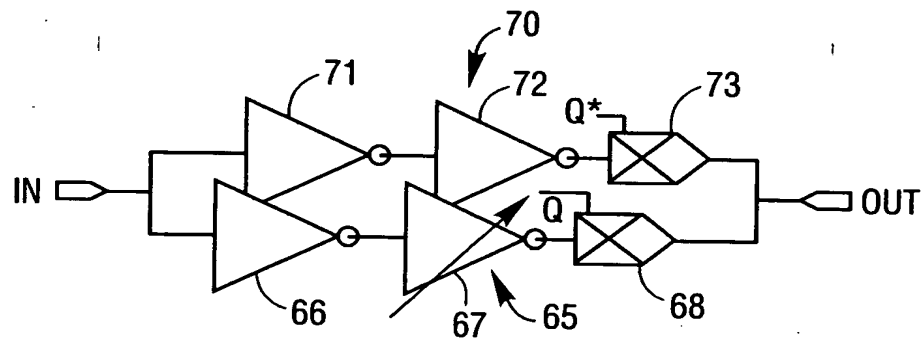
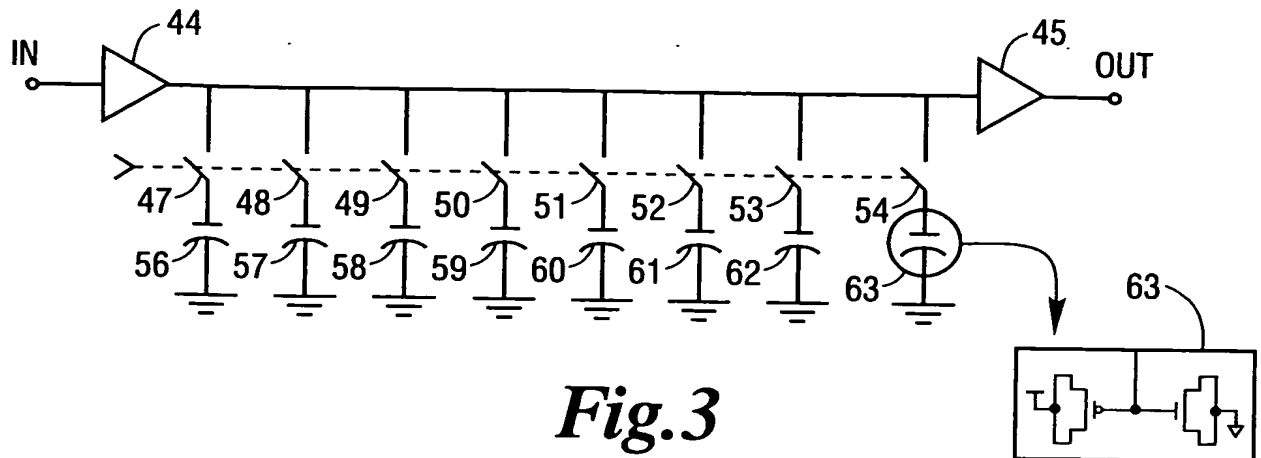


Fig.2



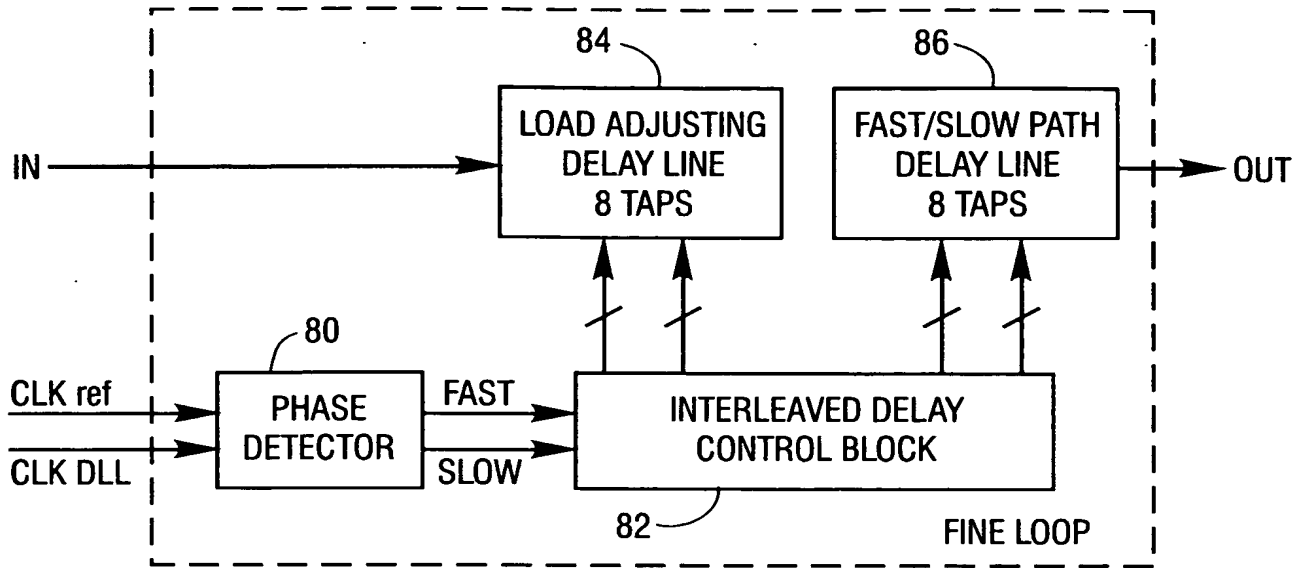


Fig. 6

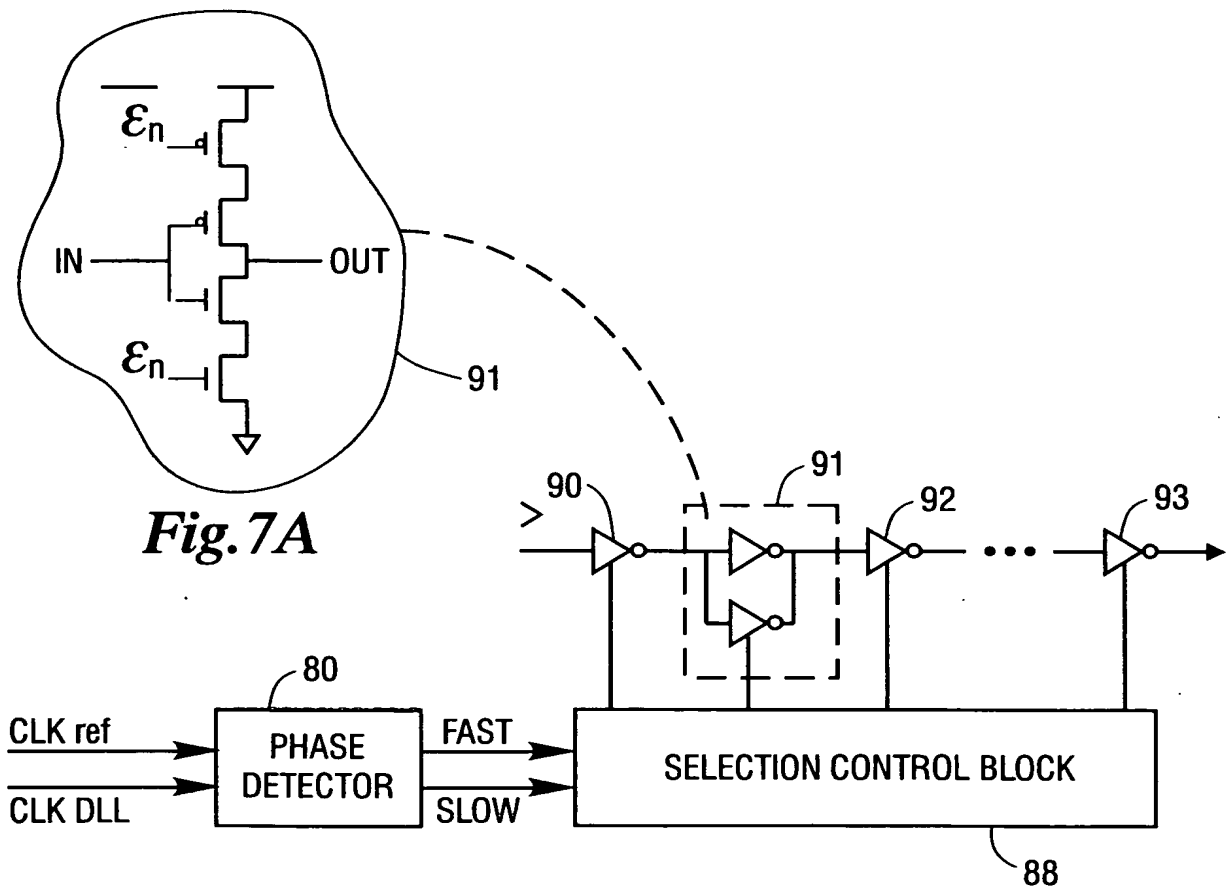


Fig. 7

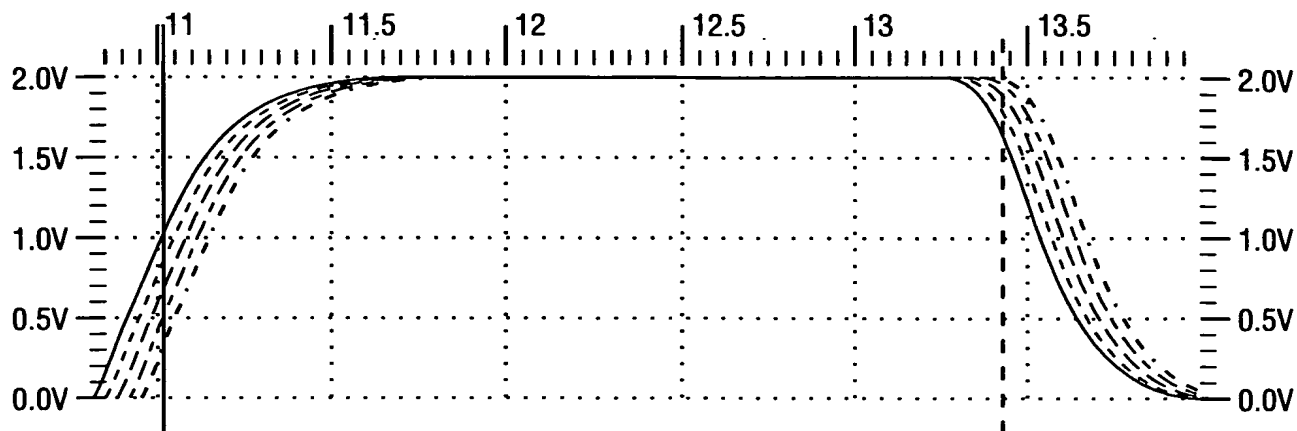


Fig. 8A

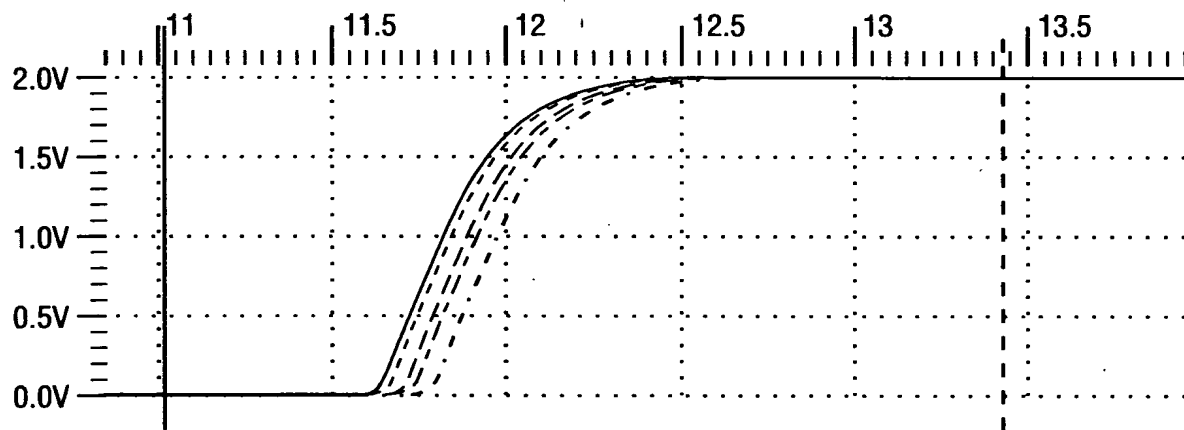


Fig. 8B

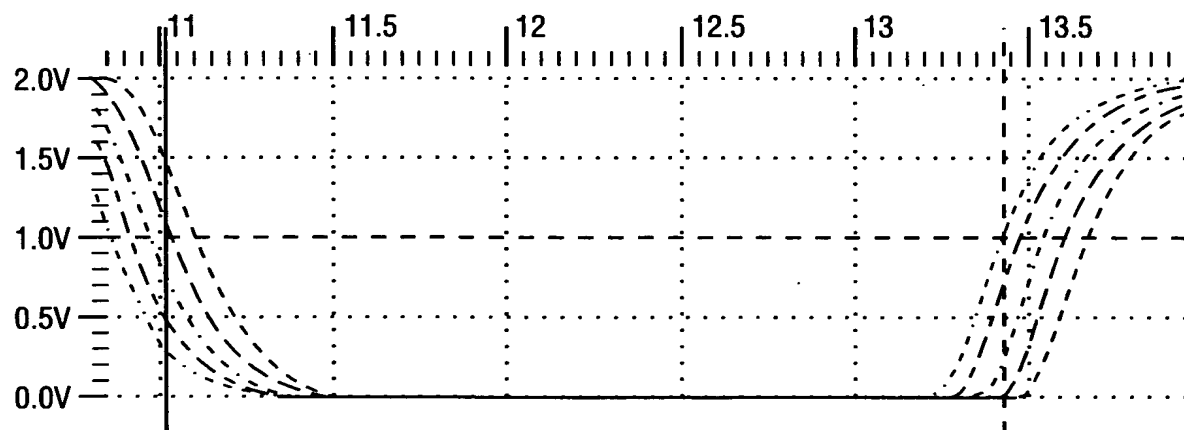


Fig. 8C

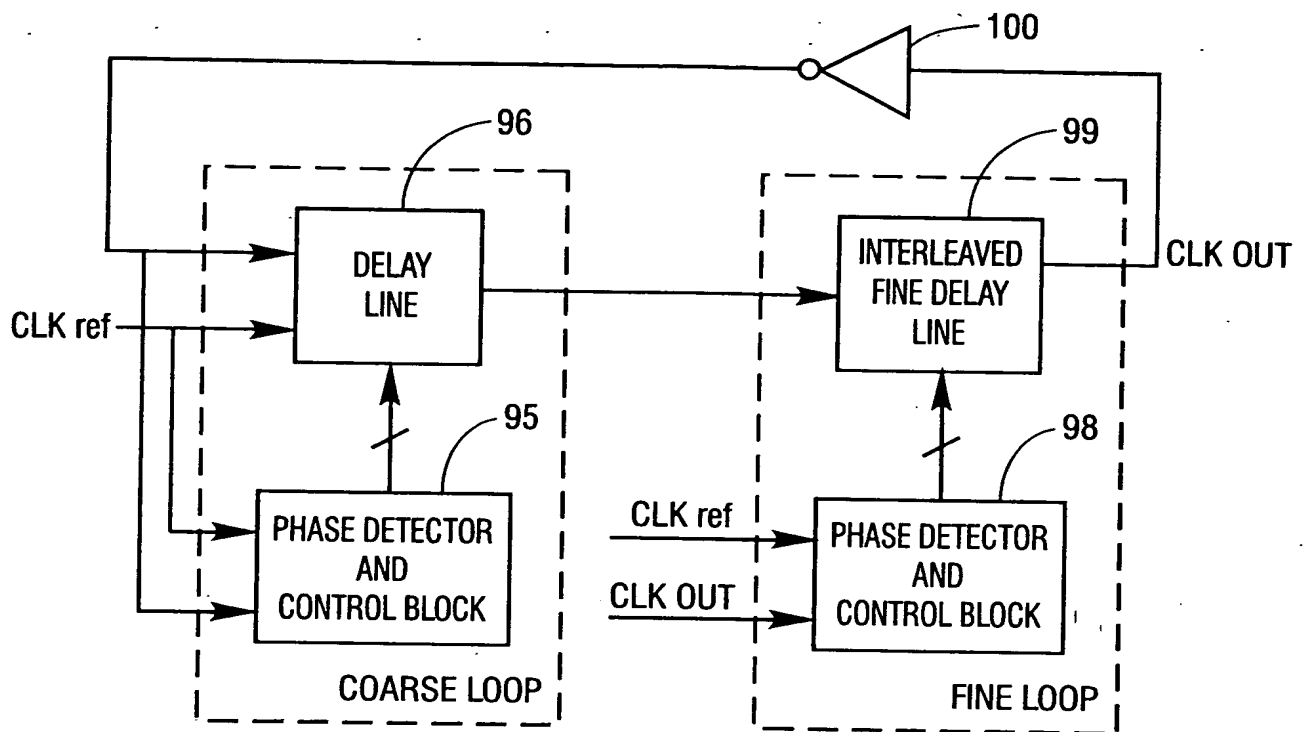


Fig. 9

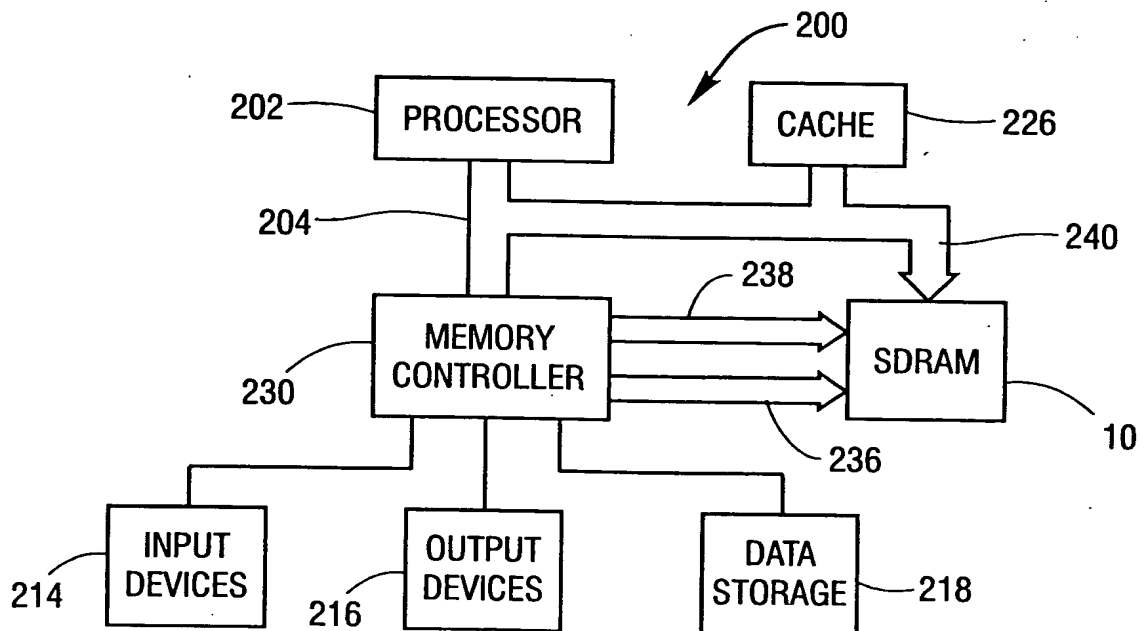


Fig. 10

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DATE CANCELLED
MAR 02 2005

DATE CANCELLED
MAR 02 2005

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/01/03 Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">For FY 2005</h3>		Complete if Known	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/731,679
		Filing Date	12/09/2003
		First Named Inventor	Feng Lin
		Examiner Name	Nitin C. Patel
		Art Unit	2116
TOTAL AMOUNT OF PAYMENT (\$)		100.00	
		Attorney Docket No.	DB000861-002

METHOD OF PAYMENT (check all that apply)

☒ Check
 ☐ Credit Card
 ☐ Money Order
 ☐ None
 ☐ Other (please identify): _____

☒ Deposit Account
 Deposit Account Number: 20-0888
 Deposit Account Name: Thorp Reed & Armstrong

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below
 ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17
 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	<u>Small Entity</u> Fee (\$)	Fee (\$)	<u>Small Entity</u> Fee (\$)	Fee (\$)	<u>Small Entity</u> Fee (\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	<u>Small Entity</u> Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	Extra Claims	Fee (\$)
- 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20.		
Indep. Claims	Extra Claims	Fee (\$)
- 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3.		

3. APPLICATION SIZE FEE


If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	_____ / 50 = _____	(round up to a whole number) x _____	= _____	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)	<u>Fees Paid (\$)</u>
Other (e.g., late filing surcharge): <u>REQUEST FOR CERTIFICATE OF CORRECTION</u>	<u>\$100.00</u>

SUBMITTED BY

Signature		Registration No. 29,688 (Attorney/Agent)	Telephone 412-394-7789
Name (Print/Type)	Edward L. Pencoske		Date <u>28 Feb. 2005</u>

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.